



hp dvd-writer
dvd100i



data sheet

Gather your audience and show your original DVD creations. The HP dvd-writer dvd100i easily stores your favorite original video, photo, and music files.* You can record up to 3 hours of video or save photos, graphics, music or data to a 4.7 GB DVD disc. Create DVD movies with the included easy-to-use software. View DVD scenes quickly without having to fast forward or rewind. Transfer digital or analog video directly from your camcorder to a DVD disc (requires video capture capability on PC). And better yet—write to either DVDs or CDs. The dvd100i also offers 12x10x32x CD-RW capabilities. You can record up to 80 minutes of original music or store up to 700 MB of photos or data on a single CD. The dvd100i includes HP's buffer underrun prevention technology which enables you to reliably create a DVD+RW or CD while you work on other tasks on your PC. Create custom DVDs or CDs with the DVD+RW and CD-RW drive. It's your choice.

share

- produce original DVD movies, then view using most DVD players and DVD-ROM drives
- convenient viewing options—jump to DVD video scenes without fast forwarding or rewinding
- direct your original DVD movies with included easy-to-use software
- create custom photo, music and data CDs to store or share

store

- record up to 3 hours of video or save photos, music or data to a single 4.7 GB rewritable DVD+RW disc
- create DVDs at speeds of up to 2.4x rewrite
- view DVDs with up to 8x read speed
- create CDs at speeds of up to 12x write and 10x rewrite
- quickly access files stored on CD with up to 32x read speed
- create original music CDs or store up to 700 MB of data on a CD

flexible

- your choice—write to either DVD or CD discs using the DVD+RW or CD-RW drive
- transfer digital video directly from your digital video camcorder to a DVD+RW disc (requires a 1394 interface port on your PC)
- transfer analog video directly from your camcorder or VCR to a DVD+RW disc (requires analog video capture and compression capability on your PC)

* Intended only for creation and storage of your original material or other lawful uses.

HP dvd-writer dvd100i

Technical Specifications

Interface

IDE

Loading Mechanism

Tray, dust sealed

Buffering

2 MB

Write Methods

Create: track at once, disk at once, variable and fixed packet writing

Copy: session at once, multisession

Power Requirements

+5 VDC $\pm 5\%$
+12 VDC $\pm 10\%$

Logical Recording Format

UDF, ISO 9660, CD-DA

Encoding Method

EFM, EFM Plus

Performance

Sustained transfer rate

1x CD = 150 KB/s (data mode 1)

1x DVD = 1353 KB/s

Write: CD-R: 4x, 8x, 12x

CD-RW: 4x, 10x

DVD+RW: 2.4x (CLV)

Read: CD-R: 4x, 8x, 10x, 20x, 32x (CAV)

CD-RW: 2x, 4x, 8x - 20x (CAV)

DVD+RW: 8x (CAV)

Burst transfer rate:

33 MB/second

Seek time:

125 ms average random access (CD-ROM, DVD-ROM)

250 ms average full-stroke access (CD-ROM, DVD-ROM)

Initialization time at 2x:

<20 sec

Disc finalization time:

DVD+RW: up to 3 minutes at 2.4x (1x DVD = 1353 KB/s)

CD: 2 minutes typical at 2x (1x CD = 150 KB/s (data mode 1))

Reliability

Corrected error rate:

Audio Data Mode 2, and Mode 2 Form 2: less than 1 uncorrectable frame in 10^9 bits read.

Data Mode 1 and Mode 2 Form 1 - less than 1 uncorrected frame in 10^{12} bits read.

Media Compatibility

Write: DVD+RW discs, CD-R (74 and 80 minute), and CD-RW, high-speed CD-RW media (recommend hp branded media)

Read: CD Digital-Audio (Red book) and CD extra, CD-ROM (Mode 1 - Yellow book), CD-ROM XA & CD-I (Mode 2/Form 1 - Green book), CD-ROM XA & CD-I (Mode 2/Form 2 - Green book), CD-Bridge & Photo-CD (single and multi-session), CD-Video, DVD-ROM, DVD-Video, DVD+RW

Environmental Ranges

Operating temperature: 5° to 40° C (41° to 104° F)

Operating humidity: 10% to 90% RH non-condensing

Acoustics

Sound power: 7.0 B(A) (per ISO 9296)

Sound pressure: 70 dB (A)

Power Consumption

25 watts maximum

Minimum System Requirements

General: 150 MB free for included software installation, 5 GB free for DVD disc creation

Data storage applications: 450 MHz Pentium® II processor or equivalent, 64 MB RAM

DVD video disc creation: 800 MHz Pentium III processor or higher, 128 MB RAM, video capture capability (1394 interface or analog video capture card)

Microsoft Windows Me, 98, 2000 Professional

NT® 4.0 workstation with SP5 supported for data storage and backup applications only (video disc creation not supported)

Windows NT 4.0 Server, Windows 2000 Server/Advanced Server, and all versions of Windows CE are not supported.

Dimensions (w x d x h)

7.79 x 5.75 x 1.62 in (198 x 146 x 41.3 mm)

Weight

2 lb (.9 kg)

Warranty

One-year limited hardware warranty backed by hp customer care

What's in the Box

Internal IDE DVD+RW/CD-RW drive with buffer underrun prevention technology, software with integrated install, set-up poster, support guide, getting help guide, how do I? guide, audio cable, 1 blank DVD+RW disc, IDE cable, and screws.

Does Not Include (purchase separately): video capture and compression hardware for down load of video to PC

Software Included

HP MyDVD Video

Incorporate your video footage, photos and music into DVD titles that you can view and share on most DVD-ROM and DVD players. Easily transfer your video footage directly from your camcorder or VCR to DVD discs. Cut unwanted video footage, rearrange scenes to create a more dynamic, enjoyable viewing experience for your audience. Jump to video scenes on DVD randomly and quickly without fast forwarding or rewinding.

HP DLA

Drag and drop files to CD or DVD from Windows Explorer or save directly from any application.

HP RecordNow

Create data or music CDs that you can share with most CD-ROM or audio CD players. Create data DVDs that you can share with most DVD-ROM drives.

HP Simple Backup

Reliably backup, protect and restore individual files or folders or restore your entire hard drive. Includes disaster recovery.

PowerDVD™

Play DVD movies on your PC

Ordering Information

C9619A

HP dvd-writer dvd100i internal IDE DVD+RW/CD-RW drive

DVD: 2.4x re-write, 8x read;
CD: 12x10x32x

CD-R Recordable Media

hp CD-R recordable disc

C7989A 74 minute, 10-pack
jewel case

hp CD-R recordable disc

C7990A 74 minute, 50-pack
on a spindle

hp CD-R recordable disc

C8000A 80 minute, 10-pack
jewel case

hp CD-R recordable disc

C8001A 74 minute, single jewel
case in boxes of 25

hp CD-R recordable disc

C8003A 80 minute, 50-pack
on a spindle

hp CD-R recordable disc

C8005A 80 minute, 50-pack
on a spindle

hp CD-R recordable disc

C7991A 80 minute, 10-pack
jewel case

CD-RW Rewritable Media

hp CD-RW rewritable disc

C4438A 74 minute, 1 pack
jewel case

hp CD-RW rewritable high-speed disc

C7981A 74 minute 1 pack
jewel case

DVD+RW Rewritable Media

hp DVD+RW rewritable disc

C8008A single, jewel case

For More Information

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